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POMOLOGICAL AND HORTICULTURAL
INVESTIGATIONS
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★ FEB 13 1914 ★
Answered

DELICIOUS
Natural Size



We offer you DELICIOUS Apple Trees Propagated from the Orchard which Grew these Prize Winning Apples. Think what that Means to You.

What Will Apples be Worth in Nineteen Hundred Twenty?

With Population nearly doubled and apple prices going higher each year, we are producing only half the apples grown fifteen years ago.

So in 1920, isn't it reasonable that Fancy "Delicious" and "Stayman" should bring \$2 to \$4 a bushel box? Jonathans, Winesaps, Roman Beauties, McIntosh Reds and York Imperials should bring only a little less. Plant 500 apple tress of the right varieties this season and with proper location and good care these

trees in six years should yield four to six bushels each, and every year to follow will bring a larger crop. In 1920, this would mean a net profit of \$3 to \$10 per tree, a yearly income of \$1500 to \$5000 from 500 trees. Less than ten acres will do it.

What Prominent Authorities Say About the Apple Situation

Colorado Authority—The total possible output of all the western apple growing locations, including Colorado, Utah, Idaho and Washington, if all the fruit valleys were planted solidly in apples, has been closely estimated at 2,500,000 boxes or 10,000,000 barrels. This is probably twice as large a figure as the actual production will ever reach, but even at that there is 7,000,000 barrels less than the average deficiency.

E. R. Lake, of the U. S. Pomological Society:—I believe the apple growing industry is decidedly brighter for the future. The proper locations and soil offer a very promising investment in fruit growing.

E. G. Favor, Editor of Fruit-Grower and Farmer:—I know of no greater future than the apple growing industry at this time. With the big decrease the country over in apple trees, the increase of our population and the increase of apple consumption, we are facing an era of the highest priced apples ever known. The man who plants an apple orchard now and cares for it, cannot fail to reap a golden harvest.

U. S. Dept. of Agriculture:—Startling statistics show that from the year 1900 to the year 1910, there was a loss of approximately 25 per cent of all our apple trees in United States, and a big decrease in production of apples. Read the figures below:

This is the Best Year to Plant Apples

The figures of the U. S. Dept. of Agriculture show that from 1900 to 1910—ten years—more than 50,000,000 apple trees have gone out of existence and this loss in dollars and cents amounts to \$65,291,000. In the United States during a twenty-year period, the number of trees were as follows:

Year	No. of trees	Value
1890.....	120,152,795.....	No record
1900.....	201,794,642.....	\$147,522,000
1910.....	121,323,000.....	82,231,000

From the following figures upon apple production, it will be seen that there has been only one year in the last sixteen, when the supply of apples approached the demand. The average annual deficiency of supply under the normal demand for apples in the United States has been almost 17,500,000 barrels. Indications, so far as the East is concerned, are that the supply will continue to shrink. The export demand has been greatly increased since the Western apples, free from worms and packed in boxes have been available, and it is predicted that inside ten years Europe will be using annually 10,000,000 boxes, equivalent to 4,000,000 barrels of American apples.

The figures of the Dept. of Agriculture on Apple production:

Year	Total Crop Barrels	Market Demand Barrels	Surplus Barrels	Deficiency Barrels
1895...	59,000,000...	45,000,000...	14,000,000.....	
1896...	68,000,000...	48,000,000...	20,000,000.....	
1897...	42,000,000...	50,000,000.....		8,000,000
1898...	22,500,000...	50,000,000.....		27,000,000
1899...	38,000,000...	50,000,000.....		12,000,000
1900...	47,000,000...	52,000,000.....		4,500,000
1901...	27,500,000...	52,000,000.....		24,500,000
1902...	45,000,000...	53,000,000.....		8,000,000
1903...	44,000,000...	53,000,000.....		9,000,000
1904...	44,000,000...	53,000,000.....		9,000,000
1905...	24,000,000...	53,000,000.....		29,000,000
1906...	35,500,000...	54,000,000.....		18,500,000
1907...	25,000,000...	54,000,000.....		29,000,000
1908...	24,500,000...	55,000,000.....		30,500,000
1909...	27,000,000...	55,000,000.....		28,000,000
1910...	26,000,000...	55,000,000.....		29,000,000



One Year Apple Trees

"The finest one-year trees I ever saw", says an Arkansas planter. Note the splendid growth,—shapely bodies,—vigorous roots—every tree perfect. The ideal foundation for your Orchard. If it is results that you want, plant these trees.



Two Year Apple Trees

"Never saw such wonderful roots", says a big Apple grower in Virginia. You'll say the same when you see these trees. It's the result of good parentage, scientific methods, and the celebrated Arkansas Valley soil.

The Winfield Nurseries, J. Moncrief, Pres., Winfield, Kansas

Its the Opinion of Planters Which Really Counts

Can you doubt the record of these customers in twenty-six states and two foreign countries? These letters came unasked, and are probably the most remarkable endorsements ever received by any nursery. Moncrief trees have stood the test of over 50,000 planters. They'll make good for you.

Arkansas Planter Well Pleased
I was more than pleased with our first lot of trees and with Mr. Gipple's most favorable opinion of your nursery. So every single tree I plant here, I expect to buy from you and wish to put in the balance of my order just as soon as I can.—Horace W. Thompson, Gentry, Arkansas.

Finest One-Year Apple
Just received those magnificent one year apple trees. I consider those the finest trees, age considered, I have ever seen.—A. E. Allen, Mammoth Springs, Arkansas.

Never Planted Finer Trees
Your trees came all O. K. and I will say they are the finest lot of trees I ever saw—no fault with them at all. If I can ever do you any good I certainly will do so. Thank you very much for your kindness in sending me such nice stock.—M. L. Bailey, Eureka Springs, Arkansas.

Replanting Barren Orchard
This country has 2,000,000 apple trees. Most of them were grown from old scion orchards that never bore an apple. Many orchardists, to save a few cents at the beginning, bought these cheap trees, and now have bearing orchards that are usually barren. I bought one of these orchards and have cleared out 300 out of 800 and am going to take out every one that doesn't pay and Winfield trees will take their places.—R. T. Osborn, Bentonville, Arkansas.

Moncrief Trees in Arizona
The order shipped arrived in good condition on the 7th and was in the ground before night. Growing today. This is as I like it. People are coming to me every day now making inquiries about the pedigreed stock of the Winfield Nursery.—Geo. M. Smith, Phoenix, Ariz.

Making Good in California
Your trees are showing signs of growth although only planted a few days. I want to say that I have never seen nursery stock with such a fine root system as these trees possessed. Trees that I purchased from a leading nursery company here and planted out six weeks ago show little more symptoms of growth than the trees just planted from your nursery. I attribute this to the better root development of your stock.—O. H. Myrick, Los Angeles, California.

The Way They Grow in Colorado
My order of trees came in fine condition. They are the finest cherry trees, quality and condition considered, I have received in twelve years planting. I thank you for careful attention to my order.
A Year Later—I am so well pleased with the cherry trees and the way they grew that I will probably want 150 or 200 more this season.—G. I. Kirkton, Canon City, Colo.

The Talk of Everybody
My experimental orchard was the talk of the whole community last season. Trees never succeeded nor looked better in any locality—not a tree of yours died.—E. S. Lake, Peyton, Colo.

Likes Our Way
The elm trees which you shipped me on the 4th arrived in good shape. I wish to thank you for these and incidentally to compliment you on your way of doing business.—H. L. Woolfendon, Denver, Colo.

More Than Pleased in Georgia
The trees arrived in fine condition. I must say I am more than pleased with them. They are beauties.—A. G. Haughey, Athens, Georgia.

Highest Endorsement
Before Ordering—I think that for your satisfaction you ought to know that in reply to a recent confidential inquiry made of the U. S. Bureau of Plant Industry, they have made what I consider a very flattering report of your reliability, and endorse your methods of propagation.

After Ordering—Trees arrived in perfect condition and the quality certainly looks fine. I am certainly much pleased.—Wm. K. Barnmore, Cornelia, Georgia.

How They Grow in Illinois
I am glad to say that I did not lose a tree shipped me last spring of your stock. I will plant about nine acres next spring and they will all be Winfield trees.—B. H. Halley, Chicago, Illinois.

Shapely Trees and Fine Roots
The apple trees came in splendid condition and were fine thrifty young stock. The trees were shapely and root system fine. I am pleased and satisfied with all the stock you have sent me.—Geo. A. Flesner, Peoria, Illinois.

Hottes Elberta Doing Fine
The hundred little Hottes Elberta peach trees you sent me last May all lived, but six. They never have had a rain, that would wet the roots, but they have done fine. I am wanting some more trees and I don't know where I would rather send than to you.—Dr. G. N. Gilbert, Pana, Illinois.

Quality Counts in Indiana
The Wealthy just received. If the balance are of equal quality, I will consider myself very fortunate in selecting the Winfield Nursery. An old orchardist saw them and he thought they were as fine as any he ever saw, all of which speaks very well for you.—F. N. Arvin, Valparaiso, Ind.

A Fine Lot of Trees
Trees arrived and are as fine a lot of trees as I have ever seen.—E. W. Austin, Winchester, Ind.

Quality and Service in Iowa
For good stock and promptness you cannot be excelled. Everything I got from you was good and I don't think more than two per cent failed to grow and of apples, perhaps less than one per cent. This elegant and good luck I attribute entirely to the good and healthy stock, fine and careful packing and quick transportation.—Wm. Hellburg, Marshalltown, Iowa.

Remarkable Growth in Idaho
I am very much pleased with the stock of trees I received from your nursery. I have peach trees that have made a little better than four feet and my yearling Jonathan discount anything I have seen in the valley so far, making about four feet growth. The cherries are fine. Out of forty apples, forty lived, 100 per cent.—F. C. Stolzberg, Emmett, Idaho.

If You Live in Kansas
I have set out twenty of the Jonathan apples and they were fine. There was not a cull in the two bunches and they were headed just right. Stocky, with clean roots and headed low. I like them budded too,—best apple trees I ever had. H. L. Miller, Galena, Kansas.

Success with Speciosa Catalpa
Wish to say that the Catalpa Speciosa bought from you last spring were even better than I expected to receive, could not ask for better, and they made excellent growth in spite of the dry weather.—Edmund I. Burton, Coffeyville, Kansas.

First Order Brings Another
We just finished setting out \$40.00 order of trees and were so well pleased with them that we will want some more. We enclose another order for \$20.00 which please send immediately.—Mrs. L. F. Wren, Kincaid, Kansas.

Moncrief Stock Worth Double Others.
I ordered from four different nurseries and find your plants far superior to anything I received from the other nurseries. I don't see how you can grow such roots on the gooseberries and currants. I will want to buy about \$150 or \$200 worth next spring and will say that I will never buy from any other nursery, as your plants are worth double price of others.—W. H. Montgomery, Concordia, Kansas.

How Hottes Elberta Pays
My half acre of Hottes Elberta just three years old bore 130 bushels this year—over 2½ bushels per tree. One tree bore over 4 bushels and there was not a single loafer among them. My crop sold for \$1.50 per bushel while common Elberta sold here for only 75c to 85c.—T. C. Price, Winfield, Kansas.

Never Saw As Fine a Lot
The trees are a fine lot and I thank you. Two men who helped me have had a good deal of experience and each said, "the finest lot of trees I have ever seen."—H. I. Woods, Topeka, Kansas.

Best After Fourteen Years.
About fourteen years ago, I purchased trees from your nursery for a small orchard. It is now the best in the vicinity.—R. F. Ferguson, Crestline, Kan.

Finest in Kentucky
The Rome Beauty and Winesap trees were received in splendid shape and am more than pleased with them. We set them out in the best of condition, and all hands agree they are the finest trees ever in our part of the country. There was not a scratch on any of them. Please accept our thanks for your efforts in the interest of the fruit-grower.—D. W. Stone, Marion, Kentucky.

Finds Proof in His Own Orchard
I believe in your method of propagation, as I have a tree of Ben Davis, which grows superior fruit and which differs in form and color from all others in the orchard.—C. C. Harris, Butler, Kentucky.

Maryland Planter Recommends Us
The trees arrived in fine condition. They were well packed. I am more than pleased. I shall recommend you whenever I have the opportunity.—Geo. S. Christhill, Catonsville, Md.

'Baby' Trees Ready to Bloom in Missouri
The peach trees planted last year are all growing in fine shape, and just think, every one of those "baby" trees are full of buds and ready to bloom.—Wm. Hellburg, Koshkonong, Mo.

Never Saw Better One Year Olds
The trees sent me came all right and I will say I never saw better one year olds in my life and I was foreman on a large nursery for several years in Illinois. They were simply fine.—S. C. Glover, Anderson, Mo.

Rome Beauty Bears First Year After Planting

Albuquerque, N. M.

Dear Sirs:

It occurs to me that you may be interested in seeing the enclosed negative. The picture shows myself and a Rome Beauty tree carrying four apples. The tree was bought from you, planted in April 1912, and the photograph was taken in August 1913.

O. B. CLARKE.



O. B. CLARKE and his Rome Beauty



Hottes Elberta, One Year old Bore Thirteen Peaches

Fine as I Ever Saw.
Received my trees and they are as fine as I ever seen.—Leopold Rauch, St. Louis, Mo.

A Michigan Grower Well Pleased
The trees you sent me last year were the most satisfactory of any trees I ever bought. I shall want enough trees to set a large orchard this fall.—Dr. W. P. Morgan, Saginaw, Mich.

One Year Apple Simply Marvelous
Nursery stock received in good condition. I consider your stock the finest I ever received in an entire lot of sixteen hundred trees planted this year. Your apple trees are simply marvelous, especially the Northern Spy and Crimes Golden, and should I ever be in Kansas and have time at my disposal, I shall certainly call at your nursery and see your methods of growing such good stock.—J. H. Heuser, Hartford, Mich.

Has Proved Our Way is Best
The trees received of you last spring have made a fine growth for the first summer. I firmly believe that there can be a wonderful improvement made in reproducing our fruits, and it seems you have struck the keynote. I have been working along this line for ten or more years, budding from only the best bearing trees and have produced some fruits which are very fine.—C. W. Hoffman, Beatrice, Nebraska.

Made Finest Growth in Nebraska
The trees bought in April arrived in good shape. They have all started, and made a dandy growth.—J. M. Lancaster, Rockford, Nebraska.

Successful in New Jersey
All of the 258 Apples that I bought from you last year have lived and made a nice growth. This year I want to plant 40 Japan Blood Dwarf and 20 Hottes Elberta.—A. L. Ritchie, Riverton, N. J.

Enthusiastic over Japan Dwarf Peach.
I shall continue to plant every dollar I have to spare in Japan Blood Dwarf Peach, and another year I should have a field worth a visit from our Horticultural Society.—Horace Markley, Alledale, N. J.

New Mexico College of Agriculture
The shipment of trees came through in first class condition. They had been packed for a long journey and the packing was still quite moist. As for the trees themselves, they are fully up to our expectations. In fact, they are decidedly the best large shipment of trees that has come into this valley for a number of years.—Luther Foster, Director, State College, New Mexico.

Best in the Valley
Received your trees on the 20th inst. Came in splendid shape. I like them fine. I was told they are the best nursery stock shipped into this Valley.—Homan Arnold, Animas, N. M.

Never Handled a Finer Lot
The trees arrived in fine condition and I would say that I was very well pleased with the stock. During my many years of experience at commercial orcharding I have set out many thousand of young trees, and I can truthfully state that I never handled a finer or more uniform lot of nursery stock than the above mentioned order.—F. M. Edwards, French, N. M.

Making Good in New Mexico
Trees arrived here in good shape March 9th. I think they were the finest lot of trees that ever came into this Valley. You surely will have my order next year.

A year later—All trees received in good shape and they certainly have a nice root system. The last bunch of Rome Beauty were beauties. You will have my order again next year.—John Block, Santa Cruz, N. M.

Well Pleased in North Carolina
The trees reached me Saturday and I must say they were fine. Everything came in good shape and is perfectly satisfactory.—H. A. Corriher, Hendersonville, North Carolina.

Delighted With Hottes Elberta
Trees received and I am delighted with them and feel amply repaid; in this connection allow me to say, I put out one of your Hottes Elberta last spring, this tree is very, very much larger and has a much more vigorous growth than a common Elberta put out three years ago. It too was the same size as yours received a year since. It surely is a big difference in favor of pedigree trees.—W. B. Lenoir, Franklin, N. C.

Doing Fine in Ohio
Please send me your latest catalog and price list. I wish to order some trees. The four hundred apple trees I bought of you did fine and only one out of the lot died.—Dr. W. J. Keyes, Portsmouth, Ohio.

Root System is Great
I received the trees you sent me today and they were in fine shape. They were far better than I expected, and the root system is great. I wish to thank you for giving me such fine trees.—Wesley Shela, Sciotoville, Ohio.

Two-Year Jonathan Show Fruit Buds.
The trees arrived and they are a fine lot—so well rooted. The trees I got of you two years ago are looking fine and one Jonathan has some fruit buds on it now. I will not buy scrub trees again—they are like razor back hogs, not much profit—time lost and money gone.—A. G. Jacks, Carroll, Ohio.

A Good Report From Oklahoma
I received the trees and raspberries all in good shape. They were like the first lot I got from you, a fine lot of trees. Thank you very much for sending the trees so soon after I wrote you. All the rest are leafed out and they surely are nice. Everyone of the Catalpas are living. I am pretty sure of getting three of my neighbors to give you an order this fall or winter, as they said they wished now they had sent for some when I did, so I will get after them this fall, as I don't think anyone would regret setting out trees like yours.—John McCune, Calumet, Okla.

Delighted
Just received the trees. I think they are just fine. I shall be glad to do you all the good I can.—L. G. Iners, Guymon, Okla.

Remarkable Growth in Dry Season
I was very much surprised during my visit to Winfield a few days ago. (October, 1913,) when I saw the remarkable growth the trees in your nursery had made this year. One could hardly believe that Kansas had any dry weather this season, for the trees were as fine and healthy as any I ever saw.

The past season has been the worst that I ever experienced in Oklahoma in twenty-four years, owing to the dry weather, but out of the 2500 and more trees which I purchased from you last fall and put out during the fall and winter, I will not sustain a loss of even one per cent (in fact probably one-half of one per cent would cover it) and the trees are all in fine condition, and have made a splendid growth.—Elva C. Barrows, Tulsa, Okla.

Will Order Again
My order for trees arrived all O. K. Well pleased with them. You will get my orders in the future.—D. M. Quitman, Oklahoma City, Okla.

Fine Grape Vines
I got the 1,000 grape vines and the 20 trees and I am sure pleased with them. They were in fine shape.—H. E. L. Jordan, Vera, Okla.

Winfield Raspberry Makes Good in Oregon

The Winfield Blackcap makes good with me this year, making a remarkable heavy and vigorous growth of cane and the berries were very large and of fine quality.—C. W. Swallow, Oregon City, Oregon.

All Doing Well
The order I received from you of Black Locust and Catalpa Speciosa have practically all lived and are doing well.—Burton H. Peck, Heppner, Oregon.

Everything Fine as Silk
Every tree and plant from your nursery fine as silk. Will want some of those Delicious Apple trees next fall.—W. E. Hutchinson, Albany, Oregon.

A Surprise to Pennsylvania Planters
We received some 700 Rome Beauty and Stayman Winesap and I do not believe we have a tree that did not grow. The growth of some of these yearling trees has been remarkable to Eastern eyes and I must say surpasses on an average considerably a large block of eastern trees we put in the fall previously, all having the same care.—W. C. Degelman, Pittsburg, Pa.

The Talk of the Valley
Your trees are causing a great deal of comment in the Valley, as we have apple trees over 6 feet 7 inches high and strong. They are a great credit to your company and I think you will receive some more orders from near by farmers and fruitgrowers as they have travelled many miles to see them.—Geo. M. Mitchell, Pittsburg, Pa.

Fine Roots—Remarkable Growth
The trees you forwarded reached me about three weeks ago and they are all growing fine. They were the best rooted trees for their size that I have ever received. Early in the spring I got a tree from another western nursery and planted it with the best of care. Your trees have made more growth in three weeks than this other made in three months.—F. G. Fox, Pipersville, Pa.

Winfield Raspberry Sent to England
The box of Winfield Raspberry plants came to hand last week. It appears that they got lost after landing at Liverpool and the middle headed porters forwarded the box to Dolgelly in North Wales and then here. When we opened the parcel we found the contents still damp and in excellent condition. I never saw anything with such roots. They are a revelation to our home grown stuff.—Prof. C. W. Jones, Beggelley, Wales.

One Order Brings Another
I am so well satisfied with the trees I got from you last spring that I am enclosing check for \$10.35 for another lot.—Ralph A. Guth, Wescosville, Pa.

Growing Fine in Tennessee
I wish to tell you that all the trees I got from you are growing fine. I will plant about 500 apples this fall and will get them from you. W. C. Kantz, Salt Lick, Tenn.

Just Couldn't Help Growing
The twelve trees you sent me last week were "beauties." Fruit couldn't help growing on such roots.—Joe Garner, Chattanooga, Tenn.

What a Texas Planter Says
I received the bill of trees all O. K. and found them in fine condition. I am well pleased with them and they had the finest roots of any trees I ever saw. I also thank you for the premium trees you sent me. Will do what I can in this country for you. I want to set out some more trees next year.—E. C. Altman, Plains, Texas.

Makes Big Growth in Virginia
We feel like congratulating ourselves as we only lost six apple trees out of the 1,000 you sent us last spring. I had some good orchard men to see the trees and they thought them fine. The trees had made such a big growth that they thought they were two-year settlers.—J. E. Hansell, Middletown, Va.

Success in Spite of Delay and Drouth
We take this opportunity of thanking you for the fine quality of our shipment last spring. Although on the road five weeks and unable to plant for a further week on account of rain, we only lost five trees out of four hundred and sixteen and this was particularly remarkable for the fact that we hadn't a rain for five weeks after planting and it was the middle of June before some of the trees "put out."—Coleman & Breeden, Gordonsville, Va.

Fine Peach in West Virginia
The order came bringing the one-hundred fine Peach trees. They were in fine shape, had fine roots and well packed. Am well pleased with them.—Henry F. Stuck, Charleston, W. Va.

Remarkable Shipment to Japan
The nursery stock shipped on Feb. 28th have arrived today. Despite the fact that they had been on trains and ships for forty days, through more than six-thousand and five hundred miles, they have been in perfect condition with full vitality and without a single exception.

Really this is one of the most wonderful facts in my fruit growing life. We have gotten trees this spring from seven places in America and Europe. Comparing the stock, we shall say that the root system and packing of your stock are superior to any of the rest.—Y. Tan-saw, Nishigawa, Mimasaka, Japan.

A Plain Talk on the Nurseryman's Duty to the Fruit-Grower

J. Moncrief champions the rights of the Fruit-grower and condemns methods harmful to their interests in a paper read before the Western Association of Nurserymen. Reprinted from a recent issue of "American Fruits."

"I have an orchard of 1000 trees," writes a man over in Missouri. "They have all come into bearing and I never did get the varieties I ordered, except in two or three instances."

Here are two paragraphs in a letter we received from a fruit grower down in Benton County—the big apple section of Arkansas:

"This county has 2,000,000 apple trees, many of them were grown from so-called scion orchards that never bore an apple. These trees sold for 5c and less, and the orchard men, to save a few cents in the beginning, now have orchards that are usually barren.

"I bought one of these orchards, and have cleared out 300 out of 800 trees, and I am going to take out every one that doesn't prove productive."

A lot of folks have been taught to believe that differences

in bearing trees of the same variety are all due to local conditions—soil, climate, care, etc. But an orange grower in California took the trouble to keep a record of every tree in his orchard. He found to his astonishment that 15 per cent of his trees were producing the bulk of his crop. What about the other 85 per cent—trees of the same variety, under the same identical conditions?

These are but three of many instances that have come to us—instances of lost labor, lost expense, lost profits and discouraged fruit growers.

That's why we are fighting before the American Nurserymen for higher standards and advocating laws that will give the fruit-growers better protection. Our constant purpose is to make it possible for every planter to get better fruit and more of it from every tree planted.

(Extracts from paper by J. Moncrief, read before Western Association of Nurserymen, at Kansas City:)

The nurseryman should be a professional man whereas he is not even a good business man, because like a doctor or lawyer, his constant calling is one of great trust by his client, and whereas the client is soon aware if he is not getting satisfactory service from his doctor or lawyer, he may deal with his nurseryman for eight or ten years to find out that his trust has been misplaced and that he has lost ten years of his lifetime and a large sum of money, for his loss must be a number of times the first cost of his tree.

Wrong Methods

Again, many of them have tried to maintain a double standard of honesty, that is, that they personally were strictly honest but they would not hesitate to hire a tree dealer, and though they would not trust him with their own pocketbook in making their collections, they are quite willing to trust him with their name. The tree dealer would explain to them that he knew how to go out and skin them. He made no bones of the fact that he skinned the people, but he would tell them he and his gang of skinners that went with him could sell \$25,000 worth of their goods, and so they hired him and put him out, proceeded to wash their hands and say to themselves in all seriousness: "It's too bad those fellows do business that way. I would not do it." The nurseryman who has adopted this plan, is, in my judgment, equally guilty with the tree dealer who has performed the act.

Behind the Times

The haphazard methods of nurserymen have caused their business financially to be a failure; has caused a profession which should be at the top of the list for esteem, to be almost looked down upon and despised and classed as the worst of grafts. How many of you have seen the look of surprise come over the other travelling man's face when you are riding with him in the Pullman or stopping at a first class hotel and noticed the tendency of him to move over just a little and give you more room?

We go to the convention and taffy each other, banquet, and sight-see, and really convince ourselves we are a progressive lot. Whereas, we are fifty years behind the time. We are in a rut. We have progressed only as we have been driven to progress. You say we have progressed in the way of grading and eliminating diseased stock. It is

because we were driven to this field by what we thought was some mighty hard legislation of some of the states, which wanted better trees.

Consider the Planter's Welfare

So, all of our discussion, committee work, and appropriation have been made for our own selfish purpose in trying to immediately increase our own profits. Until as a trade, we waken up and accept the more modern call that is being heeded by business men and professional men in all other lines, to think of the welfare of the other people, we will not progress in our business.

Better quality trees and paying more attention to their parentage will, it is true, cost us a good deal of money and will, it is true, give us no immediate benefit, but this is an age of scientific advancement, an age when the requirement is for full efficiency, an age in which, if we do not progress in the nursery business and inaugurate new methods, our business will be revolutionized from without. Just as business methods of selling stock has been revolutionized in Kansas by the Blue Sky Law, you can already note a movement in that line by the law that was proposed in New York legislature a year ago. The trade paper, American Fruits, describes this measure under the caption, "Unreasonable New York Legislative Measure," and nurserymen, one and all, wrote in and joined in on the condemnation of such a harsh law. I could not take that view of it. Instead, I wrote, as many of you may have noted, that the nursery business had not kept pace with other industries and that if the nursery business could not be put on a new and higher standard of our own volition, we may be benefited by being compelled to adopt higher standards.

Must Adopt Higher Standards

I believed it is necessary to adopt such standards as will insure trees being true to name, and that although even then some mistakes would be made, but after all as a matter of equity and fairness, should not the man suffer the loss who is responsible for the mistake?

Trees From Known Parentage

Your association is interested in the future of your business. You cannot jump into improving the quality of trees and growing them all from known parentage or true to name in a year, nor in several years. You will never make a score in this line nor take it up if you are only interested in the nursery business from a financial standpoint. Fi-

nancially, I should not say it was a good present investment, but if you love the business and want to do something to help revolutionize a business, and bring it up where it rightfully belongs, then I should say you should become interested in growing trees from known parentage or true to name.

Time is too short to go into detail and quote as could be done, from the leading scientific men and horticulturists of the country, their views and experiences in this matter which has demonstrated beyond a doubt, that better trees can be grown by propagating them from special individual trees or superior characteristics such as young bearing, color, and quality.

You Can't Grow Figs From Thistles

While we, of course, must all admit on the start that environment such as soil, water, climatic influence, pruning, and spraying cause not only a large part but the chief part of any tree to be successful. You cannot bring out of a tree that quality which it does not possess by inheritance, and this has been demonstrated in the work of a number of us who have paid some attention to the observation of scoring trees.

Some Trees Always Pay

We just take time to quote one example from an article of Citrus Trees by John Y. Beatty in the last number of the Fruit-grower and Farmer in which he says: "In a Dixon grove of Marsh's seedless grape fruit, 123 trees out of 500 have been found to be unproductive. These 123 trees have given an average yield by actual measurement, of one picked box but the trees were poor, mostly unsalable fruit, while the other 377 have yielded an average of 16 picked boxes per tree of the highest grade, selling at \$7.50 per box in New York." Prof. Shammel has found that the trees yielding well one year, are the ones that always bear a paying crop and those that give a poor yield are chronic shy bearers.

Should Employ a Scientist

If we are to have better quality trees and better parentage trees, we must study these questions. We must spend our money in investigation and proof of them. We should hire the best scientific botanist that could be hired. Place him upon a demonstration farm and set him to work to investigate those unknown qualities and unknown habits of tree fruit, with a view of maintaining the quality that we have, of increasing the good characteristics and of giving our clients the best that can be had.